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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be fried as a separate compilation]

भाग III—खण्ड 2 [PART III-SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएँ और नोटिस
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Calcutta, the 13th September 1997

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कलकत्ता, दिनांक 13 सितम्बर 1997

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा मुम्बई, दिल्ली एवं चेन्नई में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टांकी इस्टेट,
तीसरा तल, लॉवर परपेल (प.),
मुम्बई-400013 ।

गुजरात, महाराष्ट्र, मध्य प्रदेश
तथा गोआ राज्य क्षेत्र एवं संघ
शासित क्षेत्र, दमन तथा दीव एवं
दादर और नगर हवेली ।

तार पता - 'पेटेंटॉफिस'

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल,
नगस्पतालिका बाजार भवन,
सरस्वती मार्ग, करीब धाग,
नई दिल्ली-110 005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू
तथा कश्मीर, पंजाब, राजस्थान,
उत्तर प्रदेश तथा दिल्ली राज्य
क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ ।

तार पता - 'पेटेंटॉफिस'

पेटेंट कार्यालय शाखा,
विंग 'सी' (सी 4, ए),
तीसरा तल, राजाजी भवन,
बसन्त नगर, चेन्नई-600090 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु
तथा पाण्डिचेरी राज्य क्षेत्र एवं
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तथा एमिनिदिक् द्वीप ।

तार पता - 'पेटेंटॉफिस'

पेटेंट कार्यालय (प्रधान कार्यालय)
नियाम पैलेस, द्वितीय बहुतलीय कार्यालय
भवन, 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश दाम मार्ग,
कलकत्ता-700 020 ।

भारत का अवशेष क्षेत्र ।

तार पता - 'पेटेंट्स'

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में
अर्पित सभी आवेदन-पत्र सूचनाएं, विवरण या अन्य प्रलेख पेटेंट
कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे ।

शुल्क : शुल्कों की अवधि या तो नकद दी जाएगी अथवा
उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा
आवेष या जहां उपयुक्त कार्यालय अवस्थित है, उस स्थान
के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा
चेक द्वारा की जा सकती है ।

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एतद्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अगदान के विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अग्रिम एंसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आर्पित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकसूत्र को उपयुक्त कार्यालय में ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं । विरोध संबंधी लिखित दस्तावेज उक्त सूचना के साथ अथवा पेटेंट नियम, 1972

के नियम 36 में यथा विहित इसको तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए ।

“प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर-राष्ट्रीय वर्गीकरण के अनुरूप है ।”

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की अंकित अधिका फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिस उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अवायगी पर की जा सकती है । विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 2 से गुणा करके, (प्रत्येक प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है ।

Cl. : 58 B

179191

Int. Cl. : E 06 B 5/16.

A DOOR, OR A CORE PANEL FOR A DOOR, CONSISTING ESSENTIALLY OF A LIGHTWEIGHT RECTANGULAR EXPANSE OF A SET AND HARDENED MATERIAL.

Applicant & Inventor : LEE HOONG THYE, OF 88 BIN-JAI PARK, SINGAPORE 2158, SINGAPORE.

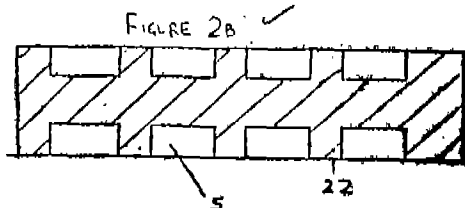
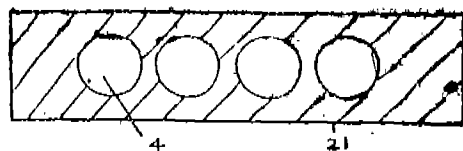
Application No. : 257/Cal/1993 filed on 5th May, 1993.

(Convention No, 9210187.2 on 12-05-1992 in United Kingdom).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office Calcutta.

Claims 10

A door or a core panel for a door, consisting essentially of a lightweight rectangular expanse of a set and hardened material which is fabricated from a lightweight material comprising cement or gypsum or a mixture thereof, additionally comprising one or more naturally occurring or synthetically produced particulate or fibrous additive, such as herein described, and wherein the set and hardened material comprises a multiplicity of intentionally incorporated air voids, said void material being air-entrained or aerated.



Compl. Specn : 17

pages

Drgns

: 7 sheets

Cl. : 145 F

179192

Int. Cl. : C 13 K 1/02

D 21 C 3/22

METHOD FOR PRETREATING A LIGNOCELLULOSE-CONTAINING BIOMASS TO RENDER THE BIOMASS AMENABLE TO DIGESTION.

Applicant : THE TEXAS A & M UNIVERSITY SYSTEM, OF 310 WISENBAKER, COLLEGE STATION, TEXAS 77843-3369, UNITED STATES OF AMERICA.

Inventors : 1. MARK THOMAS HOLTZAPPLE;
2. RICHARD READ
3. MURLIDHAR NAGWANI.

Application No. 463/Cal/1993 filed on 13th August, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office Calcutta.

Claims 29

A method for pretreating a lignocellulose containing biomass to render the biomass amenable to digestion comprising :

- (a) providing the lignocellulose-containing biomass;
- (b) adding calcium hydroxide and water to the biomass to form a mixture in higher water-loading, compared to that in hithertoknown pretreatment with calcium hydroxide at ambient temperature; and
- (c) maintaining the mixture at greater than or equal to 40°C, but without boiling and for less than or equal to 36. hours to render the biomass of the mixture amenable to digestion, and, optionally, digesting the biomass of the mixture to convert the biomaeas into a useful product such as herein described

Compl. Specn : 64 pages

Drgns

: 8 sheets.

Cl. : 40 B

179193

Int. Cl. : C 08 F 4/78

A CHROMIUM CATALYST COMPOSITION FOR OLEFIN POLYMERIZATION.

Applicant : PHILIPS PETROLEUM COMPANY, OF BARTLESVILLE, STATE OF OKLAHOMA, UNITED STATES OF AMERICA.

Inventors : 1. RICHKEY DON BADLEY 2. ELIZABETH ANN BENHAM 3. MAX PAUL MCDAMEL.

Application No. : 540/Cal/1993 filed on 15th September, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office Calcutta.

Claims 25

A chromium catalyst composition for olefin polymerization which comprises at least two chromium catalyst systems, wherein each of said at least two chromium catalyst systems comprises chromium and a support, wherein the support comprises silica, wherein the support of at least two of said at least two chromium catalyst systems have an average pore radius difference which preferentially introduces a non-ethylene comonomer into a higher molecular weight portion of a resulting copolymer, wherein said support comprises at least 80 weight percent silica based on the weight of the support and said chromium is present in said chromium catalyst systems in an amount of 0.1 to 5 weight percent, based on the weight of the chromium and the support and wherein, if desired, at least one of said support consists essentially of silica and at least 0.1 weight percent titania where the weight percent is based on the weight of the support.

Compl. Spcn. : 20 pages

Drgns.

: Nil.

Ind. Cl. : 150

G

179194

Int. Cl. : F 1 6 C 7/06.

CONNECTING PIN.

Applicant : TATSUO ONO, OF 5-20-13, MATSUGAOKA, FUNABASHI, CHIBA, JAPAN.

Inventors : (1) KIKUZA KURAMOTO
(2) YOSHIYUKI SUZUKI.

Application No. 567/Cal/1993 filed on 27th September, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

5 Claims

A connecting pin (1), comprising :

a column like body (9);

a flange (10) for locking provided on the rear end of said body (9);

an elongated hole (11) formed through a shank part on the forward end of said body;

a shaft (2) extending through said shank part in a direction intersecting said elongated hole;

two opposed holes (17) formed in said shank part in parallel with said shaft;

a lock piece (13) supported on said shaft at a midway point and having a plurality of sluts (16) in both sides thereof, said lock piece being rotatable in said elongated hole; and

a positioning member (14, 15) provided in each said opposed hole to selectively engage in one of said slots.

Fig. 1

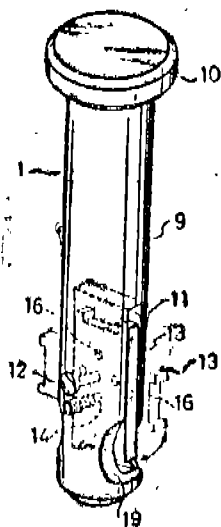
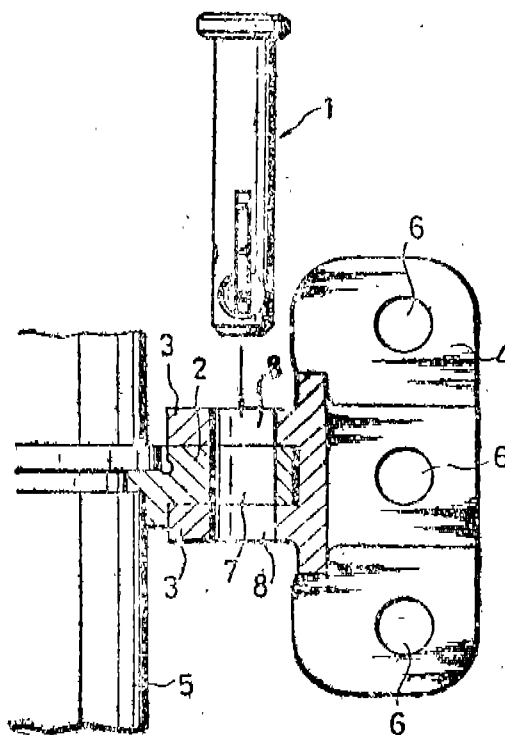


Fig. 5



Compl. Specn. 11 pages:

Drgns. 4 sheets.

Cl. : 39

E

179195

Int. Cl. : B 01 J 23/58.

A PROCESS FOR THE PREPARATION OF VINYL ACETATE CATALYST.

Applicant : HOECHST CELANESE CORPORATION, OF ROOT 202-206 NORTH, SOMERVILLE, NEW JERSEY, UNITED STATES OF AMERICA.

Inventor : PHILIP M. COLLING.

Application No. 602/Cal/1991 filed on 21th October, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta,

5 Claims

A method of preparing la catalyst composed of a porous support as herein described containing thereon precious metals consisting of gold and palladium, comprising ;

impregnating said support with water-soluble salt of said precious metals, wherein said gold salt is present in an amount of 10 to 70% by weight of said, palladium salt, allowing the "impregnated supports to stand for at least 4 hours, converting said water soluble precious metal compounds to water-insoluble precious metal compounds by contacting said impregnated support in a first-fixing stage with a solution containing sodium or potassium hydroxide to precipitate on said support said water-insoluble precious metal compounds allowing the impregnated supports after the first-fixing stage to stand for at least 4 hours, contacting the said first-fixed, impregnated supports with additional sodium or potassium hydroxide in a second-fixing stage to further, precipitate on said support said water-insoluble precious metals compounds, washing the second-fixed supports and reducing said water-insoluble precious metal compounds with a reducing agent as herein described to form free precious metals on said supports.

Compl. Specn. 14 pages;

Drng. Nil,

Cl. : 126 D

179196

Int. Cl.⁴ : H 03 B 1/04.

APPARATUS FOR DETERMINING ORDERS OF NON-CHARACTERISTIC HARMONIC CURRENTS OF A SECOND POWER SUPPLY GRID.

Applicant : SIEMENS AKTIENGESellschaft, OF WITTELSHACHER-PLATZ 2, 8000 MUENCHEN 2, GERMANY.

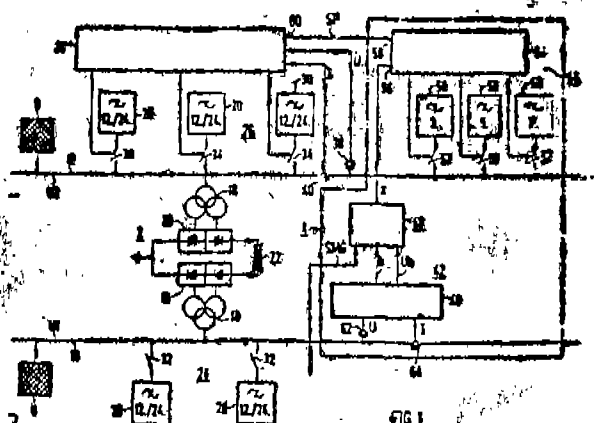
Inventors : (1) KADRY SADEK
(2) NORBERT CHRISTE
(3) PETER IUEIZELBERGER.

Application No. 663 /Cal/1993 filed on 2nd November, 1993.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule, 1972) Patent Office, Calcutta.

5 Claims

Apparatus for determining orders of non-characteristic harmonic currents (Ih) of a second power supply grid (B), which is coupled to a first power supply grid (6) by means of a high-voltage DC transmissions system (2) and for compensating these non-characteristic harmonic currents (Ih), the supplying power supply grid (6) having initial distortion (Uh) of the voltage (U1) by a low-frequency harmonic, which occurs because of the short coupling (2), comprising a device (46) for determining an order (h) of initial distortion (Uh) of the voltage of the supplying power supply grid (6), said device (46) having a voltage and/or current measurement (62, 64) connected thereto or a device (48) for determining the order (Z) is of a lowest non-characteristic harmonic on the second three-phase side of the system (2) as a function of the determined magnitude and the determined order (h) of the initial distortion (Uh) of a voltage symmetry signal (SMG) and of an order (n), which is determined in the meantime, of a lowest-characteristic harmonic on the DC side of the system (2), said device (43) being connected downstream of the device (46) for determining the initial distribution (Uh), and comprising a compensation system (44) For the non-characteristic harmonic currents (Ih) in the second power supply grid (8), the control input (56) of which condensation system (44) is connected to the output of the device (48) for determining the order (7) of a lowest non-characteristic harmonic, it being possible to connect the outputs of this compensation system (44) to the second power supply grid (8).



(Compl. Specn. 14 pages;

Drgns. 2 sheets.)

Cl. : 40 A 2

179197

Int. Cl. : B 01 J 8/08.

A FLUIDIZED GASIFIER.

Applicant : THE BABCOCK & WILCOX COMPANY, OF 1450 POYDRAS STREET, P.O. BOX 60035 NEW ORLEANS, LA 70160 UNITED STATES OF AMERICA.

Inventors : (1) ROBERT ALEXANDER MCILROY
(2) ROBERT ANDREW KUCHNER
(3) JOHN EDWARD MONACELLI
(4) DENNIS WAYNE JOHNSON.

Application No. 173/Cal/1994 filed on 17th. March, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule, 1972) Patent Office, Calcutta.

23 Claims

A fluidized gasifier for producing a product gas, comprising :

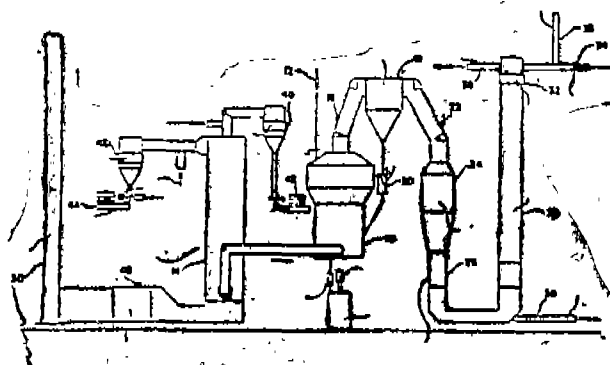
a gasifier reactor having at least one fluidizing bed located therein and provided with an inlet and an outlet;

means for heating the at least one fluidizing bed in said gasifier reactor to a selected temperature, said heating means providing a heated fluid stream for fluidizing the bed through the inlet of said gasifier reactor;

means for introducing a residual waste liquor into said gasifier reactor to produce a product gas stream;

dust collector means positioned downstream of said gasifier reactor for removing dust from the product gas stream; and

condensing heat exchanging means for recovering heat from the product gas and removing an acid gas therefrom with participate for cleaning the product gas and recycling chemicals from the component.



(Compl. Specn. 31 pages;

Drgns,

5 sheets.)

Cl. : 158 A D

179198;

Int. Cl. : B 61 D 47/00.

A RAIL LOADING TRAIN FOR TRANSPORTING AND FOR LOADING AND UNLOADING LONG RAILS.

Applicant : GEORG ROBEL GMBH & CO. OF D-81371 MUNCHEN, THALKIRCHNER STRASSE 210 GERMANY.

Inventors : (1) HERTELENDI JOSEF
(2) STROBL BRUNO.

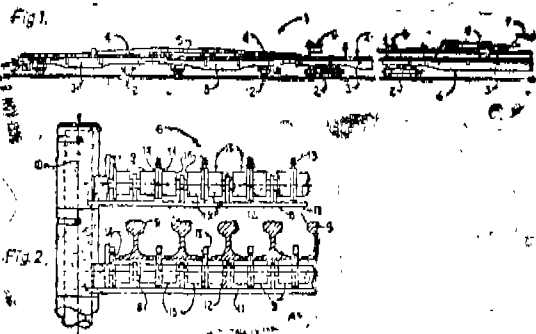
Application No. 198/Cal/1994 filed on 24th March, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule, 1972) Patent Office, Calcutta.

7 Claims

A rail loading train for transporting and for loading and unloading long rails (5), comprising wagon frames (3) supported on track undercarriages (2) and rail supports (6), extending at right angles to the longitudinal direction of the wagon, with rollers provided for supporting the long rails (5) and, if appropriate, vertically extending spacer bars (13) located between them, characterized in that each roller is

designed as a flanged roller (9) having at least one flange (14) arranged on the end face.



(Compl. Specn, 7 pages;

Drgns. 1 sheet.)

Cl. : 40 B

179199

Int. Cl.¹ : D 01 J 31/02, 31/06

A CATALYST SYSTEM FOR NUCLEOPHILIC AROMATIC SUBSTITUTIONS

Applicant : HOECHST AKTIENGESellschaft, OF D-65926 FRANKFURT AM MAIN, GERMANY.

Inventors : 1. THOMAS SCHACH 2. THEODOR PAPENFUHS.

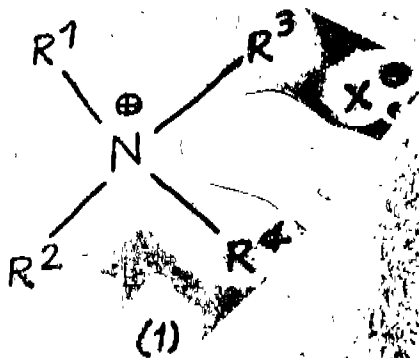
Application No : 485/Cal/1994 filed on 24th June, 1994.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office, Calcutta.

9 Claims,

A catalyst system for nucleophilic aromatic substitutions, consisting essentially of a mixture of

(a) on or more quaternary ammonium compounds(s) of the formula (I')



wherein

R¹, R² and R³ identical or different and

are a linear or branched alkoxypolyoxyalkyl radical of the formula $-(C_mH_{2m}O)_pR^5$, in which R⁵ is hydrogen or a linear or branched alkyl radical having from 1 to 16 carbon atoms, in is an integer, from 1 to 10 and, p is a number from 1 to 15; or a linear or branched alkyl radical having from 1 to 30 carbon atoms;

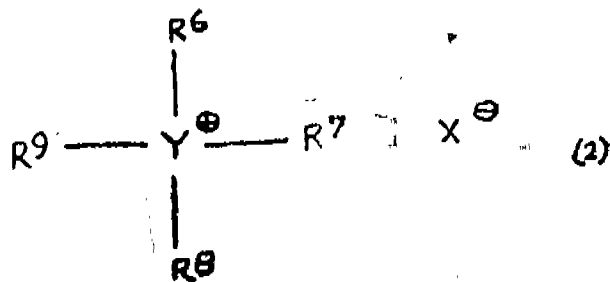
or an unsubstituted phenyl or naphthyl radical;

or a substituted phenyl or naphthyl radical, with the substituents being halogen, C₁-C₁-alkyl, C₁-C₄-alkoxy nitro or cyano;

R⁴ is a linear or branched alkoxypolyoxyalkyl radical of the formula $-(C_mH_{2m}O)_pR^5$ and;

X- is an inorganic anion; and atleast one component selected from the group of compound (b) and (c);

(b) one or more quaternary ammonium salt(s) or phosphonium salt(s) of the formula (2)

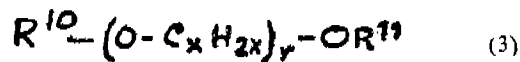


wherein

R⁶, R⁷, R⁸ and R⁹ are identical, or different and are a linear or branched alkyl radical having 1 to 22 carbon atoms; or an unsubstituted or substituted aryl radical or a C₁-C-alkyl-aryl radical, with aryl being phenyl or naphthyl and the said substituents being halogen, C₁-C₁-alkyl, C₁-C₁-alkoxy, nitro or cyano; and

Y is N or P;

(c) one or more of compounds of the formula (3) or a crown ether



wherein

R¹⁰ and R¹¹ are identical or different and are hydrogen or a linear or branched alkyl radical having from 1 to 16 carbon atoms;

x is a number from 0 to 20;

y is a number from 0 to 20, the component (a) makes up from 5 to 95% by weight of the total catalyst.

(Compl. Specn. : 17 Pages)

Cl. : 55F

179200

Int. Cl. : A 61 K 35/54

PROCESS FOR OBTAINING ULTRA PURE EGO OIL.

Applicant & Inventor : DR. MED. WERNER CH. NAW-ROCKI, OF LANDVOGTSTRASSE 4. D-60320 FRANKFURT MAIN, GERMANY.

Application No. : 165/Cal 1994 filed on 17th February, 1995.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972; Patent Office, Calcutta.

10 Claims

A process for obtaining ultrapure egg oil from avian or reptilian egg yolk, characterized by the following process steps :

(a) drying the egg yolk at temperatures up to 90°C and comminuting the dried egg yolk to give a pulverulent product (A),

(b) extracting the product (A) obtained in step (a) over a period of three to seven days using a fat-dissolving extractant,

(c) slowly distilling off the extractant to obtain a viscous residue (B),

(d) ageing the residue (B) obtained in step (c) at ambient temperature over a period of up to 10 hours, preferably for five to seven hours.

(e) further ageing the residue (B) at a temperature of between 7 and 12°C over a period of up to 24 hours until distinct phase separation takes place,

(i) separating off the less viscous phase (C) formed upon phase separation in step (c),

(g) centrifuging the less viscous product (C) obtained in step (f) for 20 to 40 minutes at a speed up to 7,000 revolutions per minute, and separating off the less viscous phase (D),

(h) mixing the product (D) obtained in step (g) with demineralised water in a ratio of 1:2 to 1:5 by volume, and heating the mixture over a period of 30 to 90 minutes at a temperature of 90 to 120°C, preferably 95 to 100°C,

(i) cooling the aqueous mixture obtained in step (h) to ambient temperature, and separating off the less viscous component (E),

(j) centrifuging the product (E) obtained in step (i) for 20 to 40 minutes at a speed of up to 7,000 revolutions per minute, and separating off the less viscous phase (F),

(k) holding the product (F) obtained in step (j) at temperatures from 7 to 12°C over a period of up to 24 hours until distinct phase separation takes place, and separating off the less viscous phase (G),

(l) centrifuging the product (G) obtained in step (K) for 20 to 40 minutes at a speed of up to 7,000 revolutions per minute, and separating off the less viscous phase (H),

(m) if appropriate, repeating the measures of steps (h) to (l) or (j) to (i) using the product (H) obtained in step (l).

(Compl. Specn. : 10 Pages;

Drgns. : Nil)

Ind. Cl. : 160 A D

179201

Int. Cl.⁴ : B 60 R 27/00

A TRACTION DEVICE.

Applicant : VARADA PRASHANT RAO 12 LLOYD ROAD, COOKE TOWN, BANGALORE-560 005, AN INDIAN CITIZEN.

Inventor : VARADA PRASHANT RAO.

Application No. : 629/Mas/90, filed on 3rd August 1990.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

6 Claims

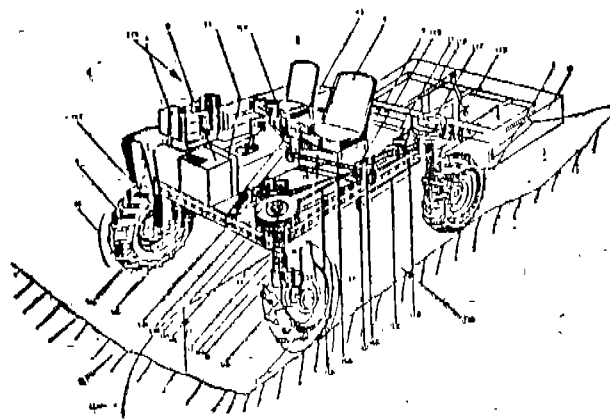
A traction device comprising :

a hollow chassis and sub-frame which support the prime mover, gearbox, driver seat, and four vertical axles which are connected to four steered driving wheels, the said vertical axles drive the driving wheels through sets of gears contained in articulating final drive cases;

Clutch brakes connected to foot, pedals in front of the driver seat and arc located between the gearbox and cross shafts, the cross shafts are provided pulleys at their ends, from which belts transmit drive to pulleys mounted on top of the vertical axles;

a steering linkage connected to the driving wheels through the inner support tubes of the said vertical axles. the linkage is moved by a central oscillating link which is turned by geared shafts in the steering wheel gear box;

a hitch linkage which is attached on one end to the load or implement and on the other end to the said traction device at points underneath the hollow chassis.



(Compl. Specn. : 15 Pages;

Drwgs.

: 6 Sheets)

Ind. Cl. : 114 D, E

179202

Int. Cl.⁴ : C 14 C 1/00

A PROCESS FOR MANUFACTURING LEATHER.

Applicant : MINNESOTA MINING & MANUFACTURING COMPANY, A DELAWARE CORPORATION OF 3M CENTER, SAINT PAUL MINNESOTA 55144-1000 U.S.A.

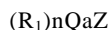
Inventors : 1. MIGUEL BLANCO RODRIGUEZ, 2. CLAUDIO MONTORO MARTINEZ.

Application No. : 803/MAS/90, filed on October 10, 1990.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

7 Claims

A process for manufacturing leather from animal hide using processing baths of aqueous treating compositions comprising the steps of hydrating, bating, pickling, decreasing, and tanning, at least one said bath containing a small amount of at least 0.001% by weight of an anionic, cationic, non-ionic or amphoteric fluorochemical processing aid which contains (a) one or more fluorinated aliphatic radicals, R₁, which provide at least 10 per cent by weight fluoroine to said processing aid and (b) one or more water-solubilizing groups in at least one of said steps, said processing aid being represented by the formula



wherein

R₁ is a saturated, monovalent, non-aromatic fluoroaliphatic radical having at least three carbon atoms and not more than about 20 carbon atoms; with the proviso that if hydrogen or chlorine atoms are present as substituents, not more than one atom of hydrogen or chlorine is present for every two carbon atoms;

Q is alkylene, arylene, sulfonamidoalkylene carbon-smidoalkylene, or siloxane;

Z is a water-solubilizing polar group selected from the group consisting of :

(i) anionic groups which are COM, COM, SO₃H, SO₃M, OSO₃H, OSO₃M, OPO(OM)₃, where M is a metallic ion, an ammonium ion, or other amino cation;

(ii) cationic groups which are NH₃, NHR₃, NR₂, NR₂O where R is a lower alkyl group, NR₃A' where R' is a lower alkyl group or hydrogen and A' is chloride, sulfate, phosphate or hydroxyl; or

- (iii) non-ionic groups which are NR^2 -7, where R is a lower alkyl group and poly (oxyalkylene);

a is zero or 1; and

n is 1 or 2 or

said processing aid is a fluorochemical oligomer containing 3 to 30 monomer units and having a plurality of pendant fluoroaliphatic groups, R, linked to water-solubilizing poly (oxyalkylene) moieties.

Com. : 30 Pages)

Ind. Cl. : 80K.

179203

Int. Cl.⁴ : B 01 D 13 00.

"A FLUID FLOW CONTROL APPARATUS HAVING TRANSMEMBRANE PRESSURE CONTROLLED FILTRATION ELEMENT".

Applicant : BIO-FLO LIMITED, OF 32 ST ANDREWS ROAD, GLASGOW GAI 1ST, UNITED KINGDOM, A BRITISH COMPANY.

Inventor : ROBERT G. HOOD.

Application No. : 818/Mas /90 filed on 16th October, 1990.

(Convention Date : 17th October, 1989; No. 8923376. British).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule 1972), Patent Office, Madras Branch.

12 Claims

A fluid flow control apparatus Having transmembrane pressure controlled filtration element, comprising filter means having an inlet for receiving an inlet fluid to be filtered and an outlet for receiving the outlet fluid from said filter means an inlet bleed conduit for fluid communication between the inlet and outlet, first pressure monitoring means associated with the inlet for measuring the inlet pressure to said filter means, second pressure monitoring means associated with the outlet for measuring the pressure of the outlet fluid, means for comparing the inlet and outlet pressures measured and flow control means coupled to said first second pressure monitoring means to provide a comparison signal, the flow control means being responsive to the comparison signal to control the flow of fluid through said filter means by varying the flow of inlet fluid through the inlet bleed conduit to optimise Control of the transmembrane pressure and filtration,

(Compl. Specns. : 22 pages; Drwgs. : 4 Sheets)

Ind. Cl. : 32 E

179204

Int. Cl.⁴ : C 08 F 210/00.

"A PROCESS FOR THE COPOLYMERIZATION OF A MIXTURE OF MONOMERS COMPRISING PROPYLENE AND 1-BUTENE".

Applicant : UNION CARBIDE CHEMICALS AM} PLASTICS COMPANY INC., 39 OLD RIDGEBURY ROAD, DANBURY, STATE OF CONNECTICUT 06817-0001, U.S.A.

Inventors : (1) FRED CHUN-CHIEN TWU,

(2) HAROLD KURT FICKER,

(3) IAN DONALD BURDETT.

Application No. : 870/Mas/90, dated 30, October, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule 1972), Patent Office, Madras Branch.

21 Claims

A process for the copolymerization of a mixture of monomers comprising propylene and 1-butene which comprises contacting the monomers and hydrogen in the gas phase in a single stage reaction zone, under polymerization conditions, with a catalyst system comprising (i) a solid catalyst precursor, which has magnesium; titanium; a halogen which is chlorine, bromine, or iodine, or a mixture thereof; and a polycarboxylic acid ester containing two coplanar ester groups attached to adjacent carbon atoms; (ii) a hydrocarbyl aluminum cocatalyst; and (iii) a silicon compound such as herein

described containing at least one silicon-oxygen-carbon group, at a temperature, of from 50°C to 90°C, wherein : (a) the atomic ratio of aluminum to titanium is in the range of 10 to 300; (b) the molar ratio of aluminum to silicon compound is in the range of 0.5 to 10; (c) the propylene partial pressure is in the range of 50 to 450 psi; (d) the 1-butene partial pressure is in the range of 10 to 50 psi; (e) the hydrogen partial pressure is in the range of 0.1 psi to 80 psi; (f) the superficial gas velocity is in US range of 1 to 3 feet per second; and (g) the molar ratio of 1-butene to propylene is in the range of 0.01 : 1 to 0.4 : 1.

Agent : Depenning & Depenning.

Compl. Specns. : 28 pages)

Ind. Cl. : 33 A

179205

Int. Cl.⁴ : B 22 D 1/00.

A ROLL FOR A DEVICE FOR THE CONTINUOUS CASTING OF THIN METAL PRODUCTS.

Applicant : USINOR SACLOR 4, PLACE DP. LA PYRAMIDE-LA DEFENSE 9-92800-PUTEAUX (FRANCE).

Inventors : (1) JACQUES BARBE.

(2) ALAIN CHALLAYE,

Application No. 878/Mas/90 dated November 1, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

11 claims

A roll for a device for the continuous casting of thin metal products on a roll or between two rolls, said roll comprising a core and a sleeve provided with ducts for the circulation of a cooling fluid, the said sleeve is rigidly connected to the core in its axially median part and on substantially the whole of its circumference to prevent any axial and radial displacement, in said median part, of the sleeve relative to the core, the said sleeve is in contact with the core throughout its width and having radial means for maintaining by its edges the sleeve on the core to allow an axial displacement and not a radial displacement of said edges of the sleeve relative to the core.

(Compl. Specn. 20 pages; Drwngs. 3 sheets.)

Ind. Cl. : 160-C.

190-D

179206

Int. Cl.⁴ : B 60 K 9/00.

POWER VEHICLES.

Applicant : GOPI MADURAL, INDIAN, NO 2/6, AY-YAPPA NAGAR, VANAGARAM, (PO) MADURAVOIL, CHENNAI-602 102.

Inventor : GOPI MADURAL

Application No. 900/MAS/90 filed on 9th November 1990. Complete Specification Left : 28th January 1992.

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972), Patent Office, Madras Branch.

10 Claims

A power Vehicle comprising a plurality of wind rotors connected to Generators or wind turbines through Jacking systems to raise or lower the wind rotor shafts, the Generators being connected to an Electrical Motor through storage) and distribution devices, The Electrical Motor being connected to the Vehicles propeller shaft through belt or chain.

(Compl. Specn. 20 pages; Prov, 4 pages; Drwngs. 5 sheets.)

Ind. Cl. : 131

B4

179207

Int. Cl.⁴ : E 21 B 10/46.

AN IMPROVED BUTTON BIT FOR DRILLING APPLICATIONS.

Applicant : WIIDIA (INDIA) LIMITED, 8/9TH MILE, TUMKUR ROAD, BANGALORE-560 073, KARNATAKA,

Inventors : (1) MAHESH KUMAR SHARMA

(2) NATARAJAN RATAMANI

(3) RANGARAJAN SRINIVASAN,

Application No. 927/MAS/90 filed November 19, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule 1972) Patent Office, Madras Branch.

5 Claims

An improved button bit for drilling applications comprising a shank terminating in a head with flushing grooves and face flushing holes thereon a plurality of face carbide button and gauge carbide buttons provided on the head characterised in that the rows of carbide buttons in the gauge plane area gauge carbide buttons and the adjoining outermost carbide button in the face plane and a shim is provided between the bottom of each carbide button and the base of the corresponding button hole to serve as a damper.

(Compl. Specn. 12 pages; Drngs, 9 sheets.)

Ind. Cl. : 172-E 179208

Int. Cl.⁴ : B 65 II 63/00.

A DEVICE FOR QUALITY ASSESSMENT OF YARNS.

Applicant : ZELLWEGGER USTER AG WILSTRASSE 11 CH-8610 USTER SWITZERLAND, A SWISS COMPANY.

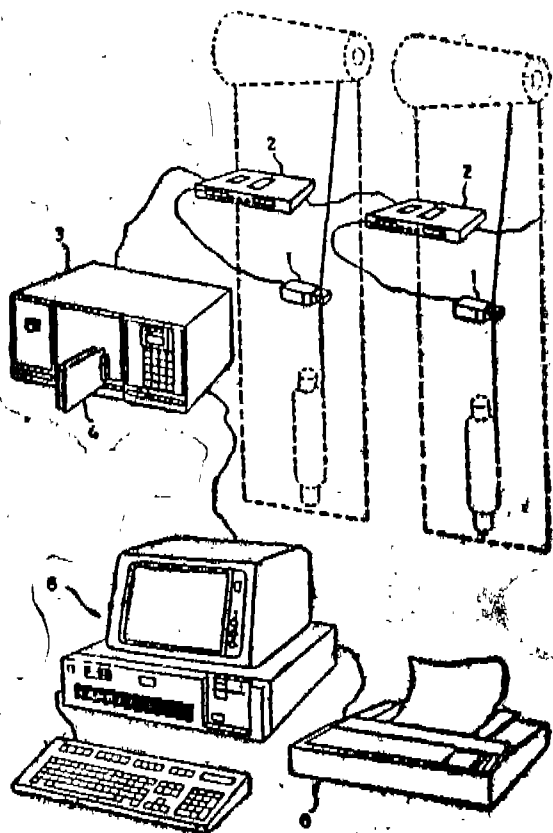
Inventor : AEEMMER PETER F.

Application No. 1007/MAS/90 filed on 13th December 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

3 Claims

A device for quality adessment of yarns comprising measuring heads (1) for scanning; the cross-section of a yarn to be assessed, a control means (3), and evaluation units (2) to which the measuring heads and the control means are connected, said control means (3) containing a processor unit (4) containing digitalising means, comparing means and means for storing setting parameters and signals supplied by the evaluation units (2) means for storing a program, and, a program for operating said processor unit for producing clearer signals once yarn signals exceeds limits produced Starting from said setting parameters.



(Compl. Specn. 11 pages; Drwngs 2 sheets.)

2—237 GI/97

Ind. Cl. : 85 G

174209

Int. Cl.⁴ : H 22 D 29/00.

METAL CASING APPARATUS.

Applicants : CHARLES DANIEL BROWN, OF 70 WOODVALE, COULBY NEWHAM, MIDDLESBROUGH, CLEVELAND, ENGLAND.

and

DEHWIS O' SULLIVAN, OF TY-COCH, ALWEN DRIVE, CWM-TALWAG, RARRI, SOOTH GLAMORAN, WALES. CF6 8HL, BOTH BRITISH NATIONALS.

Inventors : CHARLES DANIEL BROWN

and

DENNIS & SULLIVAN BOTH BRITISH NATIONALS,

Application No. 1043/MAS/90 filed on 26th December,

(Convention dated : 27th December 1989 No. 89.29193.4 U.K.).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch,

8 Claims

Metal casting apparatus comprising a container (2) for molten metal to be cast, said container (2) having a nozzle (4) in the base thereof for passage, therethrough of, the molten metal, and a substantially upright, elongate stopper (8) within the container (2), said stopper, (8) having a lower nose end (10) positioned adjacent said nozzle (4), characterised in that a barrier member (28) which, is positioned between the nozzle (4) and the nose end (10) of the stopper (8), the barrier member (28) being of a refractory material with-stranding temperature associated with pre-and postheating of the apparatus and combustible at temperatures associated with the molten meal, and being deformable on return of the stopper to its closed position, the barrier member (28) conforms with the shape of the nozzle (4) and the nose end (10) of the stopper (8).

(Compl. Specn. 17 pages; Drwngs. 5 sheets.)

Ind. Class : 32-F₂(b)

179210

Int. Cl.⁴ : C 07 D 401/00

A PROCESS FOR PREPARING A LIPOPEPTIDE DERIVATIVE.

Applicant : HOECHST AKTIENGESellschaft, D-65926 FRANKFURT AM MAIN, FEDERAL REPUBLIC OF GERMANY, A CORPORATION ORGANIZED UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY.

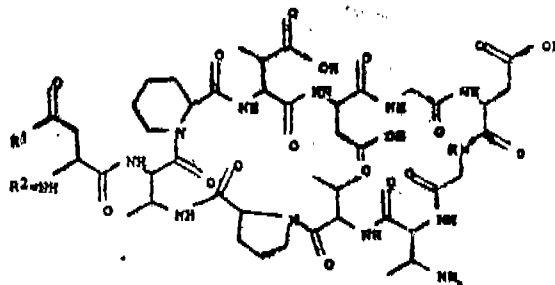
Inventors : (1) RUDOLT LATTRELL,
(2) THEODOR WOLLMANN,
(3) HOLGER WALLIMETER,
(4) PETER HAMMNER,
(5) DIETER ISERT.

Application No. 717/Mas/94 dated August 1, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Chennai Branch,

2 Claims

A process for preparing a lipopeptide derivative of the formula I

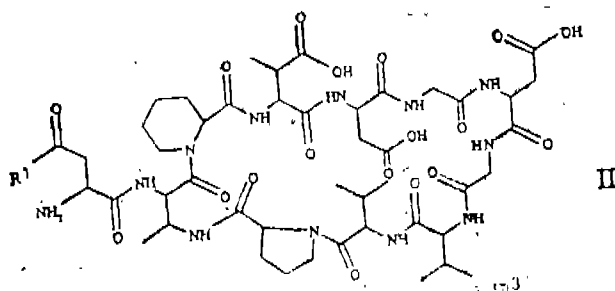


in which

R^1 is OH or NH_2

R^2 is a straight-chain or branched, saturated or unsaturated aliphatic C^4 - C_{22} -acyl radical which may be interrupted by phenyl or cycloalkyl groups or by oxygen,

which comprises rendering a compound of the formula II



in which

R^1 is as defined above

R^3 is an amino protective group known from peptide chemistry, preferably the tert-butoxycarbonyl (BOC), the benzyloxycarbonyl (Z, Cbz) the fluoronylmethoxycarbonyl (Fmoc) or the allyloxycarbonyl (Alloc) protective group with a carboxylic acid of the formula III or its derivative

R^3OH III

in which

R^2 is as defined above and recovering the lipopeptide derivative in a known manner.

(Compl. 27 Pages)

AMENDMENT PROCEEDINGS UNDER SECTION-57

The amendments proposed by ANSTALT GERSAN LIECHTENSTEIN in respect of Patent Application No. 577/Mas/89 (170331) as advertised in Part III, Section 2, of the Gazette of India, dated 18th February, 1995 and no Opposition being filed within the stipulated period, the said amendments have been allowed.

The amendments proposed by ANSTALT GERSAN LIECHTENSTEIN in respect of Patent Application No. 578/Mas/89 (170332) as advertised in Part III, Section 2, of the Gazette of India, dated 18th February, 1995 and no Opposition being filed within the stipulated period, the said amendments have been allowed.

The amendments proposed by ANSTALT GERSAN LIECHTENSTEIN in respect of Patent Application No. 579/Mas/89 (170333) as advertised in Part III, Section 2, of the Gazette of India, dated 18th February, 1995 and no Opposition being filed within the stipulated period, the said amendments have been allowed.

The amendments proposed by "DARTNELL ENGINEERING & INNOVATION PTY. LTD." in respect of Patent No. 2/Mas/89 (172801) as advertised in Part III, Section 1 of the Gazette of India on 18-2-1995 and no Opposition being filed within the stipulated period the said amendments have been allowed.

The amendments proposed by THE ENGLISH ELECTRIC COMPANY OF INDIA LIMITED, Madras, in respect of Patent Application No. 770/Mas/89 (172807) as advertised in Part III, Section 2 of the Gazette of India, on 18-2-1995 and no Opposition being filed within the stipulated period, the said amendments have been allowed.

The amendments proposed by VIEW-MASTER IDEAL GROUP INC., U.S.A. in respect of Patent No. 36/Mas/91 (173168) as advertised in Part I II. Section 2 of the Gazette of India dated 18-2-1995 and no Opposition being filed within the stipulated period, the said amendments have been allowed.

The amendments proposed by THE ENGLISH ELECTRIC COMPANY OF INDIA LTD., Madras, in respect of Patent No. 754/Mas/89 (173727) as advertised in part III, Section 2 of the Gazette of India dated 25-2-1995 and no Opposition being filed within the stipulated period, the said amendments have been allowed.

The amendments proposed by the AMERICAN TELEPHONE & TELEGRAPH COMPANY, U.S.A., in respect of Patent No. 606/Mas/92 (174338) as advertised in part in Section 2, of the Gazette of India on 25-2-1995 and no opposition being filed within the stipulated period, the said amendments have been allowed.

Request for amendment for change of the name of the patentee N. V. PHILIPS GLOEPLANPENFABRIEKEN, a limited liability Company organized and established under the laws of the Kingdom of the Netherlands at Groenewoudseweg 1, Eindhoven, The Netherlands to PHILIPS ELECTRONICS N. V. in the application for patent No. 175971 as advertised in the part III. Section 2 of the Gazette of India dated 14-1-97 had no Opposition with the stipulated period, the said amendments has been allowed.

OPPOSITION PROCEEDINGS

An Opposition entered by M/s. Bajaj Auto Limited, Pune to the grant of a patent on Application No. 170737 (452/Del/87) has been dismissed and the application for patent has been ordered to proceed for sealing.

An Opposition entered by Bajaj Auto Limited, Pune to the grant of a patent Application No. 170741 (658/Del/86) has been allowed and the application for patent is refused.

An Opposition entered by Hindustan Level Limited, Bombay to the grant of a patent application No. 176263 (709/Del/89) has been disposed off. The said application has been treated as abandoned and no patent shall be sealed thereon.

An Opposition has been entered by All India Rice Exporters Association (Regd), New Delhi to grant of a patent, on Application No. 177467 (237/Del/92) dated 17th March, 1992 made by Rice Tec Inc., USA.

An Opposition has been entered by All India Rice Exporters Association (Regd.), New Delhi to grant of a patent on Application No. 177470 (1286/Del/95) dated 10th July, 1995 made by Rice Tec Inc., USA.

RENEWAL FEES PAID

162980	162979	167336	167337	167338	167814	165595	167802
161884	173926	175161	167801	174494	171902	161450	170220
160123	167798	169702	165547	174336	171714	173126	174894
161437	167812	171515	161195	160729	169936	174061	165267
161885	165121	172061	173369	173370	172579	172530	165482
172155	174055	169874	173320	166291	171592	173116	174105
168123	169969	169849	165266	165404	174066	172111	161954
167055	167257	168592	174966	171672	171457	165302	165270
168370	167816	167817	171437	170666	170548	174287	167746
172648	165874	174961	177298	177283	169710	173761	172114
173610	173842	174893	171179	174746	167875	168361	172955
170043	172510	173658	165876	165268	169160	165269	167749
176776	176777	176744	172221	174963	162138	170127	173839
173847	171909	171340	169872	174288	174739	167907	166014
169879	167906	173374	171835	174670	170641	168114	165381
171867	175214	173045	164762	170714	174918	172386	175969
165427	177342	175549	171450	168117	170148	170677	177496
177489	177465	175545	174367	176286	177343	177437	177471
166186	161111	171041	177399	174536	174527	174528	174529
174716	174717	175220	175040	167108	168170	169698	169699
166405	171528	169694	164115	175991	161933	163576	164616
168251	171062	172879	175636	177212	177226	177321	177324
177325	177344	177358	177359	177360	177161	177368	177372
177374	1771776	177380	177384	177386	177389	177191	177400
177472	177474	177473	177480	177476	177491	170671	174756
73	176077	160022	162009	161579	161580	161749	167985

COMMERCIAL WORKING OF PATENTED INVENTIONS'

ELECTRICAL ENGG. INDUSTRY LIST NO. 1

The following Patents in the field of Electrical Engineering Industry are not being commercially worked in India as admitted by Patentee in the statements filed by them under section 146(2) of the Patents Act, 1970, in respect of Calendar year 1995, generally on account of want of request for licences to work the patented invention, Persons who are interested to work the said patents commercially may contact the patentees for the grant of a licence for the purposes :—

Patent No.	Date of Patent	Name & address of Patentees	Title of Inventions
1	2	3	4
170111	7-6-1988	AEG Kabel Aktiengesellschaft, of Bonnebroicher strasse, 2-14, D-4050, Monehenglach, 2, west Germany.	An improved high frequency cable for the transmission of high frequency signals.
157993	23-3-82	Alsthom-Atlantique, of 38 Avenue klober-759794, Paris, Cedex-16, France.	A supply circuit for electronic apparatus of a high electric potential.
158477	3-11-82	-do-	Circuit breaker.
161449	21-9-84	Asea Aktiebolag, of S-721183, Vasteras Sweedon.	Semiconductor valve for High Voltage application.
168765	26-11-87	Bailey Japan Co. Ltd, & NIP, of 551, Baraki, Nirayama-cho Tagata-Gun, Shizuoka, Japan.	Electric actuator for a control valve.
172199	16-12-87	Bergwerksverband GmbH, of Franz, Frsbberwe.8-61, 4300, Essen-13, West Germany.	A large capacity coking reactor.
171090	21-7-88	Bindicator company, 1915, Dave Street, Port Huron, Michigan-47060:	A system for indicating level of material in a vessel.
168677	1-4-89	Borden inc, of 180, East Broad, Street, Columbus, Ohio, 43215, USA.	Electrodes
158794	4-6-83	British Telecom Communications PC, 81 Newgate Street London EC1A 7AJ, England.	Optical transmission.
163795	12-6-85	Do.	Electronic tracking system for microwave antennas.
168886	15-12-86	Do.	A system for routing telecommunication traffic through a circuit switched network.
170294	17-11-87	Do.	A viedo coding appratus.
170322	28-9-87	Do.	An appratus for translating phases from a first language into a second language.
165006	15-7-86	Brown Boveri & Cie AG, Kallstadter Strasse 1, D-6800, Munnheim-Katertal, West Germany,	Centralized control receiver for power distribution networks.
171236	6-10-88	Coda Spa, Construsioni Electromeccani, che, E, Deposit of Via, Nezionale-34, 33042, Buttrio (UC), Italy.	Device to measure the level of liquid metal in a crytallizer of a continuous casting ingot mould.
158244.	28-7-82	CERAVER, 12 Rue de la Baume, 75008, Paris, France.	A cap for an electrical insulator.
168791	18-4-85	Do.	Improved insulator of the PIN' or 'POST' type.
171705	7-6-89	Communications, Satellite, Corporation, of 950, E' Enfant, plaza, SN, Washington, DC, 20024. USA,	Fanal platenatena including low noise block down converter integrated therein.
172376	8-2-89	Do.	A printed circuit antenna.

1	2	3	4
157916	5-4-82	Compagnie Industrial Des Telecommuni- cations Cit, -Alcatel, 12 due, de la Baume 75008, Paris France.	Time division exchange,
158087	7-7-82	Do.	A combination of interconnected micropro- cessors with a system of distributed control thereof.
158332	28-7-82	Do.	Synthetic reactor circuit.
160100	20-2-84	Do.	Signaling terminal system for No. 7, sg naling system.
160300	6-2-84	Do.	Digital satellite exchange.
160944	6-2-84	Do.	System for selecting one station from a sig- of stations dialoging with a main station.
164033	7-10-85	Compagnie Industriello De Tubes Et. Lampes Electriques Citel, 8 Avenue Jean-Jaures, 92132, Issxy-Les, Moulineaux, France.	Discharger for the protection of coaxial conducting cables against over voltages.
164324	28-10-85	Do.	Arrester device for protecting a circuit against over voltage-
158256	23-4-83	CSIR, of Rafi Marg, New Delhi-110001.	An Improved process for the preparation of anhydrous magnesium chloride for use as cell toed for the electro lytic pryduction of magnésium metal.
158816	2-2-1983	Council of Scientific & Industrial Research, Rafi Marg, New Delhi, India,	Digital set point proportional controller device for use with precision unit operations in the chemical industry.
159408	4-8-84	Do.	An inter-locking ultrasonic test jig.
159410	7-8-84	Do,	An improved process for the manufacture of silicon varator diodes from epitaxial water.
160011	6-6-84	Do.	A modified starter for a single phase induc- tion motor,
160093	12-9-83	Compagnie Industrielle Das, Telecommunication Cit, Alatel, of 12, rue, de la Baume-75093, Paris, France	Apparatus for detecting a loop during ring- ing with a telephone system.
160570	14-11-84	Do.	A spare subscriber terminal apparatus in a digital concentrate.
161135	10-4-84	Do,	A digital sine and cosine function generator for use in electronic instruments which require discrete frequencies.
161476	5-9-83	CHUBU ELECTRIC POWER COMP, of 1, Higashishin, Cho Higashliku, Nagoya-shi Aichi-Kan, Japan.	Insulator for lighting arrester.
162352	8-11-85	CSIR, Rafi Marg, New Delhi, India,	An improved process for the preparation of ruthenised titanium electrodes.
162733	13-9-85	Do.	Improvement in or relating to Hexadecimal key board.
161980	1-7-85	Do.	An improved process for the preparation of manganese dioxide titanium anodos for use in the production of electrolytic manganese dioxide.
153102	21-2-86	Do.	Improvements in or relating to frequency Agite magnetron.

1	2	3	
163177	30-8-85	CSIR, Rafi Marg, New Delhi, India.	AN improved device for starting room air-conditioner units.
163185	30-8-85	Do.	A direct reading four probe resistivity meter.
163219	17-2-86	Do.	An improved processor electrolyte production of lead,
163445	29-3-85	Do.	Improved process for making transparent electrically conducting patterns on glass substrates for electro-optical display devices.
166170	24-11 -86	Do.	An improved slurry electrolytic process for the production of high purity iron powder from sponge iron fines.
166188	23-3-87	Do.	Microprocessor based automated control unit for monitoring multi electrochemical Protection systems.
166228	20-1-87	Do.	An improved three phase motor starter with in built single phase preventor.
166254	27-9-87	Do.	Method of making chemically modified iodide ion selective electrode.
167670	10-3-88	Do.	A, theft alarm system.
167682	29-1-87	Do.	An improved process for the manufacture of a tool for electrochemical machining of materials, and the tool so manufactured.
167859	21-1-88	Do.	Electronic digital maximum demand indicator.
167953	22-2-88	Do.	Timer actuated switch for industrial dust collectors as well as for the control of sequential cyclic switching of loads.
168044	19-10-87	Do.	An improved electronic chip,
169587	10-12-87	Do.	Electronic control device; for electrochemical dissolution process.
170228	5-6-87	Do.	A device for automatic uninterrupted single phase power supply from a three phase power supply source.
171794	31-12-87	Do.	An improved process for the preparation of high temperature super conductor.
167229	30-5-88	Degussa AG, Frankfurt/Main, 6450, Hanau 1, Postfach 1345, Federal Republic of Germany,	Electrical contacts.
169014	24-8-87	Emerson Electric Co, 8100 W, Florissant, St. Louis, Missouri 63136, USA.	Permanent magnet assembly and method of making same.
158820	12-7-83	Energy Conversion Devices, of 1675, West Maple Rd, Jroy, Midugam 48084. USA.	Anode from electrolytic cell and a method of making the same.
160085	13-7-83	Do.	Improved alkaline fuel cell.
161224	22-2-84	Do.	Thermoelectric device exhibiting, decreased stress
163310	31-1-84	Do.	Multilayered electronic memory arrays for use in data storage apparatus.

1	2	3	4
162848	13-12-83	FOCAS Ltd, of chency. Manor, Industrial Estate, Swindon, SN2-2PJ, England.	A fibre optic cable assembly installed with high voltage equipment.
163373	15-4-85	General Electric Company, of-1, River Road, Schenectady, State of New York-12305, USA,	Continuous metal tube casting method apparatus and product.
163230	28-12-87	Goldstar Co. Ltd, Lucky, Goldstar Twin, Towers, 20, Yeido Dong, Yongdungpo-Gu, Seoul-150, South Korea. ,	Flyback transformer.
164539	20-6-86	Heinz, Krug, Care Akademie Moru Station 24, NL-6063, NP Vlodrop, Netherland.	Circuit arrangement for testing integrated circuit components.
171918	6-9-89	Hitachi, Construction Machinery Co. Ltd, of 6-2 othermachi, 3-chome, chiyoda-ky, Tokyo-100, Japan,	Engine remote control system.
162453	21-J-85	Hughes Aircraft Co. of 7200, Hughes, Terrace P.O. Box. 45066, Los, Angles, California, 90045-0066, formerly of 200, North Sepulvaeda, Bonievard EL, Segmdo, State of California 90245, USA.	Non-Volatile semi-conductor memory unit,
162858	18-4-85	Do.	Method for incapsulating and impregnating article such as electrical components.
154810	29-6-82	Imperial Clevite Inc, of-2550, Golf Road, Rolling Meadows Illinois-60008, USA.	Electroplating apparatus,
159462	7-5-83	Imperial Chemical Industries Plc, of Imperial Chemical House, Hillbank, London, SW1f, 3gf, England.	Electrolytic cell containing gasket having projections and/or recesses.
171701	19-9-88	international Control Automation, Finance, S.A.	Advanced proportional plus integral plus derivative controller.
173051	18-7-89	International Control Automation, Finance, S.A. of Ville De Luxembourg-16, Rue, Des Bains, Luxembourg.	Digital electronics system for controlling a fibrer optic shedding flometer.
160826	16-9-83	Joumont-Schnider, 31-32, Quai De Dion Bouton, 92811, Puteaux, Cedex, France.	Control circuit of a synchronous motor with two induced coindings.
162742	11-4-84	Krone AG, of Beeskewdamm, 3-11, D-1000, Bertin-37, Germany.	Terminal elements for cable wires and drop wire cables.
169083	9-9-87	Klockner Cra. Patent, GmbH, Klocknerstrasse, 29, 4100, Duisburg, 1, A-West Germany.	An improved process for Producing metallic smelts in electric furnace.
169207	5-2-87	Lacrex Brevetti, S.A. of Via, ECo-COSa, Luce, CH, 6644, Orselina/TI, Switzerland,	Contact breaking ignition plug.
158465	3-11-82	La Telemecanique, Electrique, 33 Ois, Avenue, Du Marechal-Joffre, 92000, Nanterce, France.	A mechanically controlled switch with automatic opening for a protective limiting device.
158466	3-11-82	Do.	A contactor apparatus.
158467	3-11-82	Do,	Contactor appaarus.
158813	14-1-83	Do.	A device for rosilienily holding a contact bridge in combination with said contact bridge.

1	2	3	4
159760	24-11-82	L Telemecanique, Electrique, 33 Ois, Avenue, Dn. Marechal-Joffre, 92000, Nanterre, France.	A, contactor having self-Protection means against the effect of the forces of repulsion between the contacts.
167685	2-6-87	Do.	Frequency convertor for the power supply of a synchronous motors,
171351	13-7-87	Do.	A device for preventing accidental change of one or more selected reset modes of manual control member.
172195	13-7-87	Do.	Snap acting switching device
172722	1-7-88	Do.	Overload thermal relay.
170371	30-11-87	Mas Dev Inc, of 17, Downing Three, Building 2C, Pittsfield, MA-01201, USA.	A magnetoplastic torque transducer.
165457	10-6-86	Mannesmann AG, F. O. Germany.	Method-and apparatus for melting a metal material.
172230	27-12-88	Maschinenfabrik, Reinhausen, GmbH, of Falkensteinstrasse, 8,8400, Regensburg, F.R. of Germany.	Contact device for a tap selector of a tapped transformer.
172433	28-6-1989	Maschinenfabrik Reinhausen GmbH, of Falkensteinstrasse 8, 8400, Regensburg, F.R. of Germany,	Tap selector for a tapped transformer.
156670	3-8-82	Metallurgical & Engineering Consultants (India) Ltd, Doranda, Ranchi-834002, Bihar, India	A fuse failure and no volt monitoring and protection device for a 3-phase electrical apparatus
172125	15-6-89	Minnesota M&M, Co., of 3M Center, Saint, Paul Minnesota, 55144, USA	A wire connector for connecting a pair of wires.
172446	13-12-88	Do.	An electrical terminal comprising a cylindrical contact member,
168444	7-8-87	Mitutoyo Mfg. Co., Ltd., of 31-19, Shibi, 5-chome, Minato ku. Tokyo-108, Japan,	Optical type displacement detecting device.
169393	8-4-87	Do.	A device for measuring relative displacement between a pair sealed by detecting signals of capacitance type transducers.
169902	8-4-87	Do.	Capacitance type transducer for measuring positions.
169992	8-4-87	Do	Capacitance type transducer for measuring positions.
158745	25-3-83	Motor Industries Co. Ltd, Hosar Adugodi, Bangalore-560030, India.	Improvements in or relating to high Voltage spark plugs.
165744	5-6-86	Narendra Kumar Sharma, Residing nearby Agradoot club, Brahmapur Garja, Calcutta-700084	Improvement in TV signal booster.
165690-	26-10-87	GK Insulators, Ltd., of 2-56, Suda-cho, Mizuho-ku, Nagoya city, Aichi pref. Japan,	High Voltage porcelain insulators,
166467	27-2-87	Do,	Pollution proof insulators.
172465	7-8-89	Nico pyrotechaik Hans Jurgen Diederichs,, GMBH & Co., of BEI DER, FEWERWERKE, D-2077, Trittau,, F.R. German	An impact fuse having force bore safety.

1	2	3	4
169049	16-2-88	Nitro Nobel Ab of S-710 30 Gytory Swedell	A firing unit for imitation of detonators
167238	31-3-86	Owens Illinois Television products Inc.	Sealing glass Composition for sealing TV picture tubes
158640	16-4-83	Outokumpu OY, Toolonkatu, 4 SF-00100, Helsinki 1, Finland.	An electric furnace intended for smelting or heating.
164790	9-12-85	REA, Corporation, of 30, Rockefeller, Plaza, New York, N.Y. 70020, USA.	Color picture tube having improved slit column pattern in shadow mask.
164838	9-12-85	Do.	Color picture tubes.
165017	26-11-85	Do.	Multibeam electron gun having a transition member and metal for manufacturing the electron gun.
165019	3-12-85	Do.	A cathode ray tube and method of making same.
165143	3-12-85	Do.	Color picture tube having shadow mask frame with truncated corners.
165335	26-11-85	Do.	electron gun assembly with reinforcing means for cup-shaped electrode.
165336	26-11-85	Do.	Color picture tube having improved shadow mask
165337	26-11-85	Do.	Colour picture tube having improved line system.
165340	4-12-85	Do.	Color picture tubes.
165573	3-12-85	Do.	Color picture tube having an improved expanded focus type is line electron ion.
166707	19-1-87	Do.	Color display system.
169013	19-8-87	Do.	A cathode ray tube.
170309	19-8-87	Do.	Cathode display system.
162333	1-9-84	Rosemount inc. of 12001, West 78th Street, Eden Prairie, Minnesota, 55344, USA.	A transducer for converting electric signal and pneumatic signal.
169603	15-4-87	Do.	A measurement circuit for providing an output as a function of an input.
170265	22-9-87	Do.	A two-wire transmitter.
160165	26-3-84	SAFT, 156 Avenue de Metz, 93230, Romainville, France.	A method of manufacturing an electrode for an electrochemical cell and an electrode manufactured by the method.
162556	6-9-84	Saint-Gobain Vitrage, "Vitrage," Les Miroirs", 18, Avenue d'Alsace, 92400, Courbevoie, France.	Electric fusion furnace for a citrifiable charge.
168177	25-5-87	Satake Engineering Co. Ltd. at 7-2 Sotokanda., 4-Chome Chiyoda-ku Tokyo, Japan.	Variable speed controlled induction motor.
167691	27-3-87	Schwabe GmbH, of 7058 Urbach, 7068 West Germany.	Power line adapter example fluorescent light ballast, transformers or the like.

1	2	3	4
158768	13-4-1983	Siemens AG, of Wittelbacher pletz, 2, D-8000, Munchen 2 West Germany,	A drive mechanism for an electrical switch.
159037	3-6-1983	Do.	Driving mechanism for a three-position electrical switch.
161399	17-5-1984	Do.	A terminal arrangement for a switch-gear or a combination of switch gears.
161632	1-8-1983	Do.	Multi-pole high voltage circuit breaker
163086	31-1-1986	Do.	Low voltage circuit breaker with a current transformer.
163309	9-10-1986	Do.	A drilling system for an electric circuit breaker.
163403	25-1-1985	Do.	Electrical switch panels.
163748	31-10-1986	Do.	A multipole low-voltage circuit-breaker.
164117	6-40-1986	Do.	A contact arrangement for a low-voltage electric circuit breaker.
164479	12-12-1986	Do.	A disconnecting contact arrangement for switch gear movably arranged on a guide assembly.
165798	26-8-1986	Do.	Circuit arrangement for the transmission of data signals between control devices connected to one another via a loop system.
165981	12-3-1986	Do.	Current transformers ; process of producing same.
166387	36-8-1986	Do.	A system for transmitting data between a plurality of controlsystem.
166388	26-8-1986	Do.	A data transmission system.
167270	12-2-1988	Do.	Housing for electrical switchgear.
167637	3-10-1987	Do.	Switch truck for enclosed electrical switch-gear panel.
168273	13-12-1986	Do.	An electric switchgear cell.
170976	23-1-1989	Do.	Position monitoring apparatus
159022	18-3-1983	Sohlo Commercial Development Company, at midland Building Cleveland, Ohio-44145, USA.	A method of fabricating a thin film hetero-junction photovoltaic cell.
164131	26-6-1984	Do.	Method of forming ohmic contacts,
160660	18-1-1983	Sony Corporation 7-35 Kitashinagawa 6-chome Shinagawa-ku Tokyo, Japan.	Tape cassette.
163622	14-6-1982	Do.	Megnetic disk cartridge.
162325	19-11-1984	Stein, Industrie of 19-21. Avenue Morane, Saulnier, 78140. Velizy, Villaconblay, France.	Apparatus for continuously monitoring the removal of clinker from coal-fired boilers in thermal power stations.
166223	9-4-1986	The General Blectric Company Ltd. of I Stunhop, Gato London W1A 1BH, England.	Differential relay to protect an electrical feeder.
171112	6-4-1988	TLV CO. Ltd. 8813 Nagasune, Koguchi-cto, Kakogawa-shi, Hyogo-ken, Japan,	Steam trap operation detector

1	2	3	4
168205	11-11-1986	7, TOX -Dubel-Work Richard W. Hecj haus-sau, GmbH & Co. KC of D-7762 Bodman-Ludwigshafen West Germany.	Straddling or buckling plug,
151999	22-5-1981	Union Carbide India. Ltd., 270 Park Avenue, New York, State of New York-10017 USA.	Metal cap for exposed of top of carbon electrode of a dry cell and an improved dry cell incorporating same
162038	23-1-1935	Vacuum Interruoters Ltd. 68, Ballards Lane Fishley London N3,2BU England.	Contact for high current electrical switch devices.
166735	24-1-1986;	DO.	A contact for an electric switch.
166736	24-1-1986	DO.	A contact for an electric switch.
166317	6-10-1986.	Videocolor, of 7, Boulevard Roma, in Polland, 9248 Moatriouge France.	A device for correcting the deflection, effect due to a variation of the focusing cottage in trichromatic cathode ray tube with in line cathodes.
166440	1-10-1986	DO.	An electron gun for a cathode ray tube and method of manufacturing a hearing filament of said electron gum.
166435	28-5-1986	Videocolor of 7 BoulaYard Roma in Polland, 9248 Mntriouga, France,	Method and device for illuminating the face plate of a color television tube for formation of the screen.
166688	1-10-1986	Do,	Machine for depositing a Product on a plane horizontal surface of an object.
166689	1-10-1986	DO.	Device for automatic simultaneous measurement of the respective distances between cathodes 4 the second grid of a trichromatic eathodes tube gun.
167739	1-10-1986	Do.	A device for the manufacture of bases for Vacuum tubes.
163515	10-3-1986	Voest. Alpine Ag. 4020. Line, Muldenstrabe I, Austria.	A control device for controlling constant current in resistance welding machines.

PATENT SEALED ON 14-08-1997

REGISTRATION OF DESIGNS

168330 176927 177099 177370 177501 177522 177526
 177528* 177329 177530*D 177534 177338* 177540* 177541
 177542* 177543 177546 177547 177548 177554 177557
 177559* 177565 177566 177567 177568* 177569 177571
 177573 177574 177576*D 177577*D 177578 177579*D
 177581 177584 177585 177586 177587 177590 177593 177601
 177603 177606 177607* 177608*D 177609*F 177610*D.

CAL 47, DEL. - NIL, MUM—91. CHEN—Nil.

Patent shall be deemed to be endorsed with words
 LICENCE OF RIGHT Section 87 of the patents
 Act., 1970 from the date of expiration of three years from
 the date of scaling.

D—Drug Patent,

F—FOND

Patent

The following designs have been registered. They are not open to inspection for period of two years from the date of registration except as provided for in Section 30 of the Designs Act, 1911.

The date shown in the each entries is the date of the registration included in the entries.

Class 1. No. 172673, Sigma Search Lights Ltd., an Indian Company of 7, Hari Save Street, Calcutta-700023, W. Bengal, India, "Flood Light", 26th November 1996.

Class 3, No. 172679, Zed Controls Pvt. Ltd., of 295/2339, Motilal Nagar No. II, M. G. Road, Goregaon West. Mumbai-400 090, Maharashtra, India, Indian, Company, "MODULER ELECTRICAL ACCESSORY", 27 November, 1996.

Class 3. No. 172672 The Goodyear Tire & Rubber Company, a corporation organised under the laws of the State of Ohio, with offices at 1144, East Market Street, Akron, Ohio 44316-0001, U.S.A.. "TYRF TREAD". 26th November, 1996.

Class 3. No. 172671, Motorola Inc. a corporation of the State of Delaware, of 1303 East Algonquin Road. Schaumburg, Illinois 60196, U.S.A., "HOLSTER FOR A 'PAGING RECEIVER", 26th November,

Class 3. No. 172641. Yogesh Containers, 209 phase 1 G.I.D.C. Chhatral, Dist, Mehsana, North Gujarat, India, a Regd. partnership firm "JERRY CAN" 19th November 1996.

Class 3. No. 172610. Mrs. Puna Chawla, an Indian National of C I/5A Model Town III, Delhi-110 009. India. "ELECTRICAL FAN". 14th November, 1996:

Class 3. No. 172512, Cadbury Beverages B. V., a Company organised under the laws of the Netherlands of World Trade Centre, Tower B, 17th Floor, Strawinskylaan 1725. 1077 XX Amsterdam, The

Netherlands, "BOTTLE WITHOUT LTD, 31st October, 1996.

Class 4. No. 172513, Cadbury Beverages B.V., a Company organised under the laws of the Netherlands of World Trade Centre, Tower B. 17th Floor, Strawinskylaan 1725, 1077 XX Amsterdam, The Netherlands. "BOTTLE WITHOUT LTD, 31st October, 1996.

Class. 10. No. 172608, Quality Rubber State of 14, Shyam Market, Hing Ki Mandi, Asia-3, UP. India, an Indian proprietary concern, "SOLE OF FOOTWEAR", 14th November, 1996.

Class 10. No. 172509, ENN Enterprises 20, Industrial Estate, Nunhai, Agra, U.P., India, an Indian proprietary concern, "SOLE OF FOOTWEAR", 30th October, 1996.

T. R. SUBRAMANNIAN
Controller General of Patents, Designs &
Trade Marks

प्रकाशक, भारत सरकार का प्रकाशन, फरीदाबाद द्वारा मुद्रित
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